

ATom - DC-8 05/09/18 Science Report

Aircraft: [DC-8 - AFRC](#) ([See full schedule](#))

Date: Wednesday, May 9, 2018

Mission: ATom

Mission Summary:

Science Flight Report -- 20180509 PUQ - PUQ Antarctica RT

Submitted by: Erin Czech on 05/29/18

File:

 [Flt07_ATom_Antarctic_20180509_Report.pdf](#)

Related Flight Report:

DC-8 05/09/18

Flight Number: 1260

Payload Configuration: ATom-4 configuration - AMP, AO2, ARMAS, ATHOS, CANOE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-C, HR-AMS, ISAF, Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SAGA, SOAP, SP2, TOGA, UCATS, WAS

Nav Data Collected: Yes

Total Flight Time: 10.7 hours

Comments: ATom-4 science flight RF07. This flight was based out of Punta Arenas, Chile and was an atmospheric science survey south of Punta Arenas and over Antarctica. This highly successful mission included 6 vertical profiles (two more than planned) and included a spiral climb at 86 deg S latitude to 37kft. One science instrument was inop for the flight. The science team will try to get the instrument replaced. The aircraft had one writeup for a faulty fuel quantity gage.

Archive Data: [20180509](#) (83 archive (plain-text) files; 4 binary files)

Submitted by: Timothy Moes on 05/09/18

Flight Segments:

From:	SCCI - Punta Arenas	To:	SCCI - Punta Arenas
Start:	05/09/18 11:53 Z	Finish:	05/09/18 22:38 Z
Flight Time:	10.7 hours		
Log Number:	188004	PI:	Steven Wofsy
Funding Source:	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
Purpose of Flight:	Science		

Flight Hour Summary:

	188004
Flight Hours Approved in SOFRS	122.2
Total Used	133.2
Total Remaining	-11

188004 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
04/06/18	1249	Check	3.6	3.6	118.6	
04/10/18 - 04/11/18	1251	Check	5	8.6	113.6	
04/13/18 - 04/14/18	1252	Check	7.9	16.5	105.7	
04/24/18 - 04/25/18	1253	Science	9.5	26	96.2	
04/26/18	1254	Check	2.1	28.1	94.1	

04/27/18 - 04/28/18	1255	Science	10.3	38.4	83.8
04/29/18 - 04/30/18	1256	Science	8.1	46.5	75.7
05/01/18 - 05/02/18	1257	Science	8.2	54.7	67.5
05/03/18 - 05/04/18	1258	Science	7.9	62.6	59.6
05/06/18 - 05/07/18	1259	Science	10.2	72.8	49.4
05/09/18	1260	Science	10.7	83.5	38.7
05/12/18	1261	Science	10	93.5	28.7
05/14/18	1262	Science	9.4	102.9	19.3
05/17/18	1263	Science	9.7	112.6	9.6
05/18/18	1264	Science	3.2	115.8	6.4
05/19/18 - 05/20/18	1265	Science	10.6	126.4	-4.2
05/21/18	1266	Science	6.8	133.2	-11

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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